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TOWNSEND and TOWNSEND and CREW LLP

By: /Brien M. Bergner/  
Brien M. Bergner

**PATENT**  
Attorney Docket No.: 082368-008500US  
Client Reference No.: ONC-A0310P-US

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of:

NAKAMURA and FURUKAWA

Application No.: 10/586,987

Filing Date:

Int'l. Filing Date: January 21, 2005

For: METHODS OF DETECTING  
METHYL TRANSFERASE ACTIVITY  
AND METHODS OF SCREENING FOR  
METHYL TRANSFERASE ACTIVITY  
MODULATORS

Confirmation No.: 7942

Examiner: Not Yet Assigned

Art Unit: Not Yet Assigned

**INFORMATION DISCLOSURE  
STATEMENT UNDER 37 CFR §1.97 and  
§1.98**

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

The references cited on attached form PTO/SB/08A and PTO/SB/08B are being called to the attention of the Examiner. In compliance with the requirements of 37 CFR §1.98(a)(2), a copy of U.S. reference 0001 is not enclosed; copies of references 0002-0004, 0006, 0008-0012, 0014-0016, and 0018-0022 are enclosed.

Copies of references 0005, 0007, 0013, and 0017 are not provided since they were cited in the International Search Report, and as such, should have been provided by the WIPO

under the exchange program between the USPTO, the EPO, and the JPO. A copy of the Search Report is enclosed.

It is respectfully requested that the cited references be expressly considered during the prosecution of this application, and the references be made of record therein and appear among the "references cited" on any patent to issue therefrom.

As provided for by 37 CFR §1.97(g) and (h), no inference should be made that the information and references cited are prior art merely because they are in this statement and no representation is being made that a search has been conducted or that this statement encompasses all the possible relevant information.

Applicant believes that no fee is required for submission of this statement. However, if a fee is required, the Commissioner is authorized to deduct such fee from the undersigned's Deposit Account No. 20-1430. Please deduct any additional fees from, or credit any overpayment to, the above-noted Deposit Account.

Respectfully submitted,

/Kevin Bastian/

Kevin Bastian  
Reg. No. 34,774

TOWNSEND and TOWNSEND and CREW LLP  
Two Embarcadero Center, Eighth Floor  
San Francisco, California 94111-3834  
Tel: 415-576-0200  
Fax: 415-576-0300  
KLB:bmb  
61063857 v1

Substitute for form 1449A&B/PTO				<b><i>Complete if Known</i></b>	
				Application Number	10/586,987
				Filing Date	January 21, 2005
				First Named Inventor	Nakamura, Yusuke
				Art Unit	
				Examiner Name	Not Yet Assigned
Sheet	1	of	2	Attorney Docket Number	082368-008500US

<b>U.S. PATENT DOCUMENTS</b>					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number Kind Code <sup>2</sup> ( <i>if known</i> )	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	0001	US-2004-0235018 A1	11-25-2004	NAKAMURA, Yusuke, et al.	

<b>FOREIGN PATENT DOCUMENTS</b>								
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	T <sup>6</sup>
		Country Code <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> ( <i>if known</i> )				
	0002	WO	98/33904	A2, A3	08-06-1998	Biognostik Gesellschaft für Biomolekulare Diagnostik mbH		<input type="checkbox"/>
	0003	WO	00/44900	A2	08-03-2000	Incyte Pharmaceuticals, Inc.		<input type="checkbox"/>
	0004	WO	02/059377	A2	08-01-2002	Eos Biotechnology, Inc.		<input type="checkbox"/>
	0005	WO	02/090578	A2	11-14-2002	Cambridge University Technical Services Limited and Chroma Therapeutics Limited		<input type="checkbox"/>
	0006	WO	03/010180	A1	02-06-2003	The Board of Trustees of the Leland Stanford Junior University		<input type="checkbox"/>
	0007	WO	03/027143	A2	04-03-2003	Japan as represented by The President of the University of Tokyo and Oncotherapy Science, Inc.		<input type="checkbox"/>
	0008	WO	2004/076623	A2	09-10-2004	Oncotherapy Science, Inc. and Japan as represented by The President of the University of Tokyo		<input type="checkbox"/>

<b>NON PATENT LITERATURE DOCUMENTS</b>						
Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.				T <sup>2</sup>
	0009	DU, Yong, et al.; "Hypermethylation in Human Cancers of the RIZ1 Tumor Suppressor Gene, a Member of a Histone/Protein Methyltransferase Superfamily;" <u>Cancer Research</u> ; November 15, 2001; pp. 8094-8099; 61:22.				<input type="checkbox"/>
	0010	ECHEVERRI, Chris, et al.; "siRNA Design: It's All in the Algorithm;" <u>Ambion.com</u> ; TechNotes; 11:3; [ <a href="http://www.ambion.com/techlib/tn/113/14.html">http://www.ambion.com/techlib/tn/113/14.html</a> ].				<input type="checkbox"/>
	0011	FU, Tie-Bo and John Taylor; "The RNAs of Hepatitis Delta Virus Are Copied by RNA Polymerase II in Nuclear Homogenates;" <u>Journal of Virology</u> ; December 1993; pp. 6965-6972; 67:12.				<input type="checkbox"/>

Examiner Signature	Date Considered
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<sup>1</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>2</sup>Applicant's unique citation designation number (optional). <sup>3</sup>Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449A&B/PTO				<b><i>Complete if Known</i></b>	
				Application Number	10/586,987
				Filing Date	January 21, 2005
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<b>NON PATENT LITERATURE DOCUMENTS</b>				
Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>	
	0012	HAMAMOTO, Ryuji, et al.; "ZNFN3A1, a novel gene that promotes growth in hepatocellular carcinoma;" <u>Proceedings of the Annual Meeting of the American Association for Cancer Research</u> ; March 2002; 43; 13; #63.	<input type="checkbox"/>	
	0013	HAMAMOTO, Ryuji, et al.; "SMYD3 encodes a histone methyltransferase involved in the proliferation of cancer cells;" <u>Nature Cell Biology</u> ; August 2004; pp. 731-740; 6:8.	<input type="checkbox"/>	
	0014	LI, W. B., et al.; "Full-length cDNA libraries and normalization;" EMBL Accession No. AL557360; February 11, 2001.	<input type="checkbox"/>	
	0015	LÜKING, Angelika, et al.; "The Protein Family of RNA Helicases;" <u>Critical Reviews in Biochemistry and Molecular Biology</u> ; 1998; pp. 259-296; 33:4.	<input type="checkbox"/>	
	0016	NAKAJIMA, Tohsihiro, et al.; "RNA Helicase A Mediates Association of CBP with RNA Polymerase II;" <u>Cell</u> ; September 19, 1997; pp. 1107-1112; 90:6.	<input type="checkbox"/>	
	0017	REA, Stephen, et al.; "Regulation of chromatin structure by site-specific histone H3 methyltransferases;" <u>Nature</u> ; August 10, 2000; pp. 593-599; 406:6796.	<input type="checkbox"/>	
	0018	STOCKAND, James D., et al.; "S-Adenosyl-L-homocysteine Hydrolase Regulates Aldosterone-induced Na <sup>+</sup> Transport;" <u>The Journal of Biological Chemistry</u> ; February 5, 1999; pp. 3842-3850; 274:6.	<input type="checkbox"/>	
	0019	STRAHL, Brian D., et al.; "Methylation of histone H3 at lysine 4 is highly conserved and correlates with transcriptionally active nuclei in <i>Tetrahymena</i> ;" <u>Proceedings of the National Academy of Sciences of the United States of America (PNAS)</u> ; December 21, 1999; pp. 14967-14972; 96:26.	<input type="checkbox"/>	
	0020	SUGANO, Sumio, et al.; "NEDO human cDNA sequencing project;" EMBL Accession No. AK024733; September 29, 2000.	<input type="checkbox"/>	
	0021	GeneCards; SMYD3; [ <a href="http://www.genecards.org/cgi-bin/carddisp.pl?gene=SMYD3&amp;search=gc01m242239&amp;suff=txt">http://www.genecards.org/cgi-bin/carddisp.pl?gene=SMYD3&amp;search=gc01m242239&amp;suff=txt</a> ]; June 16, 2006.	<input type="checkbox"/>	
	0022	GENESEQ; Accession No. RS10672134; November 13, 2003.	<input type="checkbox"/>	

Examiner Signature		Date Considered	
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